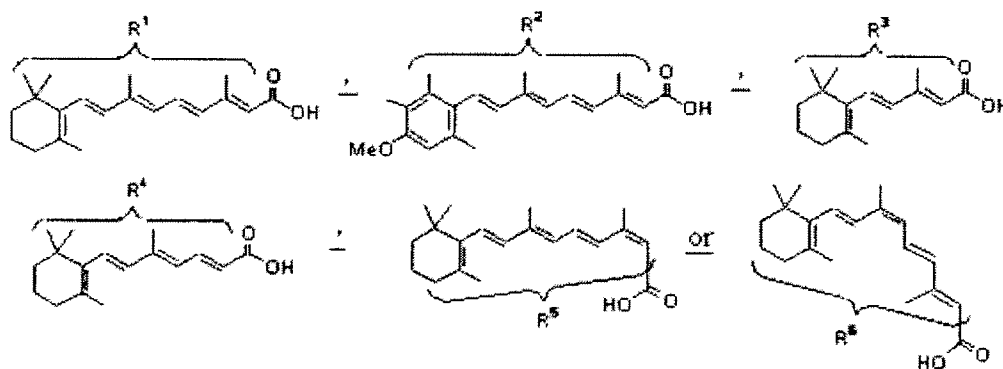


Amendments to the Claims

This Listing of Claims will replace all prior versions, and listings, of claims in the application:

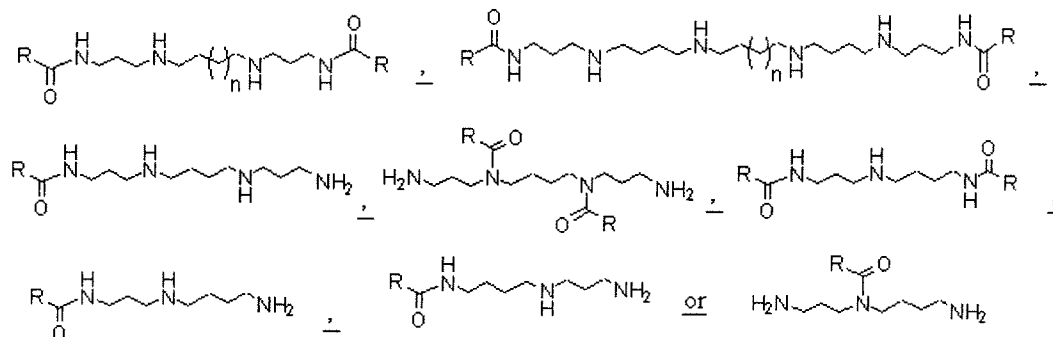
Listing of Claims

1. (Currently Amended): ~~Conjugates~~ One or more conjugate[[s]] of a polyamine[[s]] with an acidic retinoid[[s]], ~~having pharmaceutical properties,~~ in which ~~[[the]]~~ an R group in a) and/or b) below ~~of the acyl group(s) RCO~~ is one of the retinoid residues R¹-R⁶ set forth in the following acidic retinoids, the retinoid residues obtained by removing the COOH group from each of the following acidic retinoids ~~and polyene chain shortened all-trans retinoic acid analogues:~~



and said polyamine[[s]] is [[are]]:

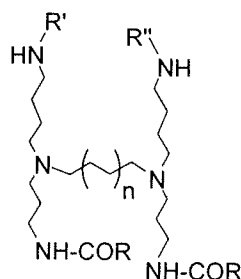
- a) a linear ~~tri-, tetra- and hexa-~~ polyamine[[s]],
in which case the one or more conjugate[[s]] have has the following general formulae:



wherein n is 1 to 9; or

[[d))] b) a branched (~~dimeric~~) polyamine[[s]],

in which case the one or more conjugate[[s]] ~~have~~ has the following general formula:



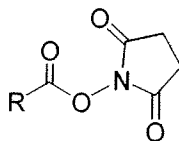
wherein

R' is COR or (CH₂)₃NHCOR and R'' is COR or (CH₂)₃NHCOR

and n is one of the numbers 1, 2 or 7.

2. (Currently Amended): A method for the preparation of the one or more conjugate a compound according to claim 1 involving initially step a), followed by step b) or step c):

a) synthesis of a compound[[s]] with the ~~general~~ formula



wherein R is one of the retinoid residues R¹-R⁶ of claim 1, which involves esterification of an acidic retinoid[[s]] with N-hydroxysuccinimide (HOSu) in the presence of [[the]] a coupling agent, which is N,N'-dicyclohexylcarbodiimide (DCC) and purification with flash column chromatography to obtain a purified succinimidyl ester[[s]] ;

b) direct selective acylation of the primary amino ~~groups~~ functions of the polyamine[[s]] with the purified succinimidyl ester[[s]]; or

c) selective acylation of the secondary amino ~~groups~~ functions of the polyamine[[s]], protected at ~~their~~ its primary amino functions with a trifluoroacetyl group or a 9-fluorenylmethoxycarbonyl group, with the acidic retinoid[[s]] ~~identified in Fig. 2 of claim 1~~ in the presence of [[the]] a coupling agent, which is bromotripyrrolidinophosphonium hexafluorophosphate (PyBrOP), followed by deprotection.

3. (Currently Amended): A method according to claim 2, which method involves the direct selective acylation of the primary amino functions of the polyamine[[s]] or ~~their~~ its corresponding hydrochloride or trifluoroacetate salts with the compound[[s]] of the step a) of claim 2, wherein a [[the]] solvent is used which is selected from dichloromethane, chloroform and dimethylformamide[[,]]' ~~and the base, where necessary is, is triethylamine or diisopropylethylamine.~~

4. (Currently Amended): A method according to claim 3 wherein the selective acylation of the primary amino functions of the polyamine[[s]] is carried out with any other activated carboxylic acid derivative known to acylate selectively primary amino functions in the presence of secondary amino functions ~~ones~~.

5. (Currently Amended): A method according to claim 2 wherein ~~the~~ selective mono- or bis-acylation of the primary amino functions of the polyamine[[s]] takes place indirectly and involves the following steps:

[[1.]] (i) protection of the secondary amino functions of the polyamine[[s]], bearing the trityl protecting group at ~~their~~ its primary amino functions, with the 9-fluorenylmethoxycarbonyl group or the trifluoroacetyl group;

[[2.]] (ii) detritylation;

[[3]] (iii) mono- or bis-acylation with the compound[[s]] of step a) of claim 2[[:]]
[[4]] (iv) ~~complete deprotection and purification, if necessary, by flash column chromatography.~~

6. (Currently Amended): A method according to claim 2 wherein the selective acylation of the secondary amino functions of the polyamine[[s]] involves the following steps:

- (i) selective trifluoroacetylation of the primary amino functions of the polyamine[[s]];
- (ii) acylation of the secondary amino functions with the acidic retinoids in the presence of the coupling agent PyBroP;
- (iii) removal of the trifluoroacetyl groups by alkaline hydrolysis.

7. (Currently Amended): A pharmaceutical preparation or product containing the one or more conjugate compounds claimed in claim 1 and a pharmaceutically acceptable carrier for therapeutical applications in humans.

8. (New) A method according to claim 3, wherein a base is used which is triethylamine or diisopropylethylamine.

9. (New) A method according to claim 5, which further involves the following step: [[:]]
(iv) complete deprotection and purification by flash column chromatography.